

Rec Oct 30  
Am Oct 2

Cambridge, Oct 25  
1858

Dear Sir;

I take the liberty  
of asking you a few  
questions with regard to  
some plants of this region.

I send a small package  
by mail containing plants  
numbered to correspond to the  
numbers of my own collection.

No. 1. Was collected in a  
shallow pool at Newport, R. I.  
where it was abundant. I

presume that it is *Isoetes*  
*Engelmannii* without doubt.

No. 2. Is from Hammond's  
Pond, Newton, near Boston. I  
suppose it to be *I. echinospora*. Dear



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3. Was also found at Hammond  
pond but out of water.

4. & 5. also from same locality.

no. 5 has only microsphaeres  
but probably the outer leaves  
have fallen away, being late  
in the season, and the  
plant thus appears to be  
approaching a monoeceous  
condition, as far as I  
can make out, the above  
are all J. echinospora.

The Juncus is an  
abundant form at Newport  
Rhode Island near Mr. Gasco's  
house. I suppose it must  
be J. tenuis but it is not  
the form common near  
Boston.

Yours, respectfully

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W. G. Harlow.

30 Holyoke House, Cambridge.



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Rec<sup>d</sup> April 22<sup>d</sup> - 1876

Boston, Apr. 19<sup>th</sup>.

Dear Sir;

I am much obliged for your very kind letter of Apr. 10<sup>th</sup>. Last summer Prof. Gray gave me some specimens of *Phoma uvicola* which you had sent him, and I have found that our own grapes are also attacked by it but not badly. You are, of course, familiar with De Bary's article ~~on~~ *Ueber den sogenannten Brenner (Pech) der Reben* in which he refers to your notice in the *Proc. St. Louis Academy*.

I should like to study the disease myself but it is not



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common enough near Boston to  
make it at all probable that I  
should be able to make anything  
out of it. Do you not have an  
abundance of *Peronospora*  
*viticola* near St. Louis?

I hope you will not consider  
it rude if I ask for information  
on certain points of interest about  
the fungi of your region. I should  
like very much to find out  
exactly whether *Sphaeria morboea*  
is found on *Prunus Chickasa* and,  
if so, to get a specimen, also a  
specimen on *P. americana*. Do you  
have what is called the pear  
blight or the onion mildew near  
St. Louis? If so, I should like  
to get some specimens.

Yours, respectfully,

W. G. Farlow,

6 St. James Ave. Boston

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Rec April 14<sup>th</sup> 1877

Apr. 9<sup>th</sup>. Boston.

Dear Sir;

Your letter of April 1<sup>st</sup> was received a few days ago. With regard to Oidium Tuckeri there is a great deal of "glib talk" as you suggest but what is meant is very doubtful. There is one specimen in the Curtis Collection from Texas marked Oidium Tuckeri. From Washington one also hears a good deal about Oidium Tuckeri, but that source cannot be considered reliable.

As a matter of fact, the Oidium Tuckeri of Europe is evidently only a conical



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form of some of the Erysiphe  
and Tuckel thought it might  
belong to *E. communis*. This is of  
course a supposition on his part  
but possibly it is a fact.

In this country it is quite  
superfluous to speak of *Uredium*  
*Tuckeri*. There is a conical  
form produced on our grapes  
which looks exactly like what  
is called *Uredium Tuckeri* in Europe.  
Our form, however, clearly belongs  
to *Uromyces spiralis*, B. & C. (one  
of the Erysiphe) a species  
which is common from  
Boston to Santa Cruz Cal. It is  
not a sign of knowledge to speak  
of *Uredium Tuckeri* in this country  
but rather of ignorance for  
what is included under that  
name is the conical form  
of *Uromyces spiralis*, B. & C. and



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in all probability nothing more.

Next year, beginning in  
July '77, I am to have a laboratory  
in Cambridge and shall only  
occasionally go to the Bazaar.  
If you have occasion to send  
anything to me after that date  
please send to Cambridge.

Yours, respectfully,  
W. G. Fardow.

6 Park Square, Boston.

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*[Faint, illegible handwriting, likely bleed-through from the reverse side of the page]*

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Recd Feb 6 1880  
Ans Jan 31

Cambridge, Jan. 31.

Dear Sir,

Can you tell  
me whether there is a  
disease of the grape-vine  
known as the rot in your  
region? a question has  
arisen as to what the  
rot is. We have the grape  
mildew and ~~and~~ other  
diseases with us but I  
do not know to what  
pathological condition  
to refer the rot.

I enclose a specimen from  
the stomach of a patient  
who has ulcer of the stomach.  
The fluid contained rot



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only Sarcina ventriculi but  
also Saccaromyces apiculatus.  
I have sent specimens of the  
latter to Berlin and the botanists  
agree with my determination,  
I have heard from Nordstedt  
about some of the Charae  
which I sent him. The form  
looking like N. apaca which  
I gave you, (from Cambridge)  
he thinks may be N. acuminata  
or N. proclouya but he is  
not certain. I expect  
Halsted in Cambridge again  
before long and hope he will  
review the Gymnospores  
which are not satisfactorily  
done.

Yours, respectfully,  
W. G. Farlow.

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100 Apr 15 1880  
Apr — 18 —

Cambridge, Apr. 12.

Dear Sir,

I am much obliged for a copy of the Revision of the genus Pinus which was given to me this morning by Prof. Gray.

I should like to ask a few questions about Nitellae. There are only two specimens of the species which Halsted called N. gelatinosa in the Gray Herbarium. Both were collected in the Santee Canal by Ravenel. This is what I understand you think is N. proclivata of Braun



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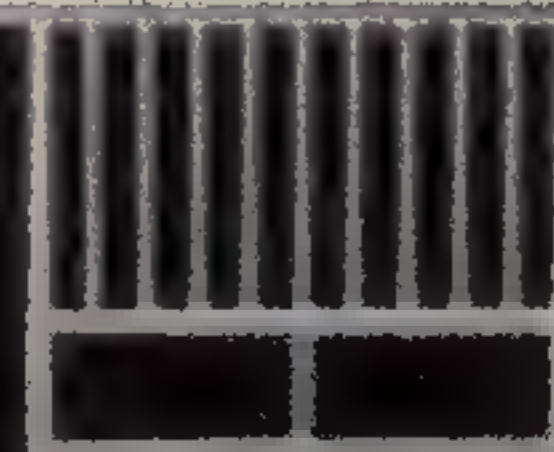


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Nordstedt thinks that the  
Nitella found by me in Cambridge  
which looks like N. opaca, but  
which is monocious, may be  
N. proelonga but he must be  
mistaken. He only knows  
N. proelonga by name and  
has never seen a specimen.  
Do you know whether N. proelonga  
was ever described?

In the Gray Herbarium  
are two large Nitellae collected  
by Lindheimer in Texas and  
one collected by Wright in  
Western Texas. They are both  
sterile and were referred by  
Halsted to N. translucens. I  
think that they are probably  
the N. Lindheimeri of Brown.  
Although they may possibly  
have been his N. proelonga. I  
cannot find any description



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of N. Lindheimeri. Have you  
any authentic specimens  
of N. Lindheimeri? It is  
very singular that Braun did  
not mention the gelatinous  
fruit of N. proclonga which  
is certainly very remarkable  
and resembles the fruit of  
N. gelatinosa as figured  
by Kützinger from Braun's  
Specimens in the Tabulae  
Phycologicae.

Another species troubles  
me, N. clavata (a. Br.) Kütz.  
I think I have it from  
Mexico and possibly from  
California. Have you  
specimens of that species?

I hope that some time  
another or Characeae will  
be straightened out but  
just now it looks as though



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N. dracolonga, N. Lindheimeri  
and some others, from want  
of a description by B. Braun,  
were in an equivocal position.  
I am in correspondence with  
Nordstedt who is well informed  
on European species but I  
doubt that he is much  
acquainted with some of the  
species from America to which  
Braun has given names.

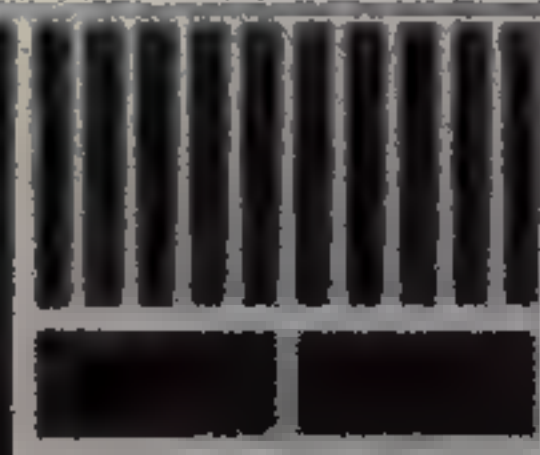
Yours respectfully

W. G. Hartweg.

Received of J. Hartweg

with receipt

George Engel



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Rec April 25<sup>th</sup>

Cambridge, Apr. 21.

Dear Sir, I should like to ask if you recognize the enclosed grass from Bermuda. When I gathered it I supposed that it was Polygou littoralis but examination shows that it is not a Polygou.

The specimen from salt water was Lymnoloea Manatorum. I looked over all the genera near Zostera



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except Cymodocea omitting  
the latter because C. Antarctica  
which I already knew had  
such a different aspect. Mr.  
Watson thought that it was  
probably a Juncus and so I  
sent it to you.

I enclose three Boetes  
just received from F. H. Hasford  
Charlotte N.C. I have not  
examined the specimens. Probably  
you have already received the  
same things from Mr. Pringle.  
Yours, respectfully  
W. G. Fernald.

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there is a mistake, Nordstedt will  
soon correct it. I presume that  
there is no longer any doubt as  
to what Brown meant to call  
the Yantee Canal Nitella.

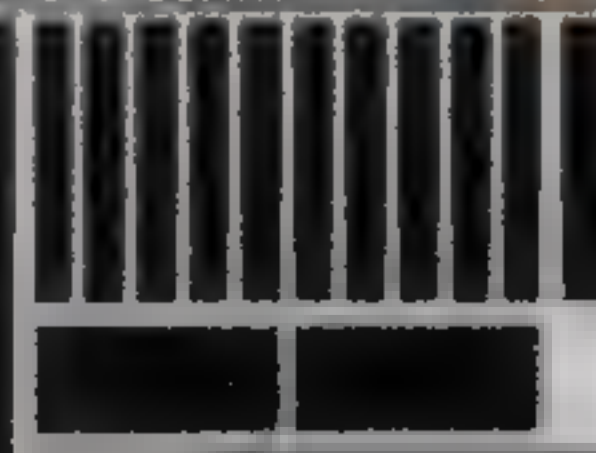
Yours, respectfully, W. G. Fardow.

rec May 5 1880  
No. — 21

Cambridge, May 2.

Dear Sir,

I am much  
obliged for your two letters  
which contained valuable  
information for me. I was  
already familiar with the  
Char. Apr. and Char. aus Columbia  
and it was in consequence  
of the reference in the former  
that I wrote about N. clovato.  
I have a specimen from  
Schaffner of San Luis Potosi  
which may be that species.  
I sent a piece to Nordstedt but  
have not yet heard from  
him. I presume the specimen



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from Bolander which seems  
to me to be N. clavata is the  
same as that in your herbarium.  
In Herb. Gray are two specimens  
glued down so that I cannot  
conveniently send them. They  
are marked "San Francisco  
Water Works". One is a foot  
and a half long and somewhat  
incrusted. The other is about  
six inches long and not coated  
with lime and is a bright  
green colour. Very likely you  
will recognize the specimens  
by this note. The N. clavata is  
principally of immediate  
interest because Mr. Watson  
has written the Characeae of  
California for the Flora and  
I have looked over the few specimens  
which we have from California  
and told him what I thought  
they were. I think we cannot do  
better now than to say N. clavata B.  
with a description of our own and of

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Rec May 28, 1880  
my dear 2

Cambridge, May 23.

Dear Sir,

Your package has just arrived and I have sent the Euphorbia to Prof. Gray. Yesterday, I heard from Nordstedt. He has received Braun's notes and drawings but did not say anything about Braun's specimens themselves. Nordstedt says that the specimens from San Francisco Water-works are certainly N. clavata and the form which I have received from San Luis Potosi (Schaffner) is N. clavata var. inflata. The doubtful form of Nitella from Cambridge



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collected by me in October 1879  
is not yet sold

Many thanks for the Charge.  
I will return the drawings  
in a few days. If I am not  
mistaken, I understand that  
you intend to have me keep  
the specimens. If such is the  
case, I am very much  
obliged.

Do you want any  
specimens of *N. flexilis* from  
this region? I have an  
abundance collected this spring.  
I am now correcting proof of  
a long paper and make no  
excursions not wishing  
to have any greater confusion  
in my laboratory.

Yours, respectfully,  
W. C. Harlow.

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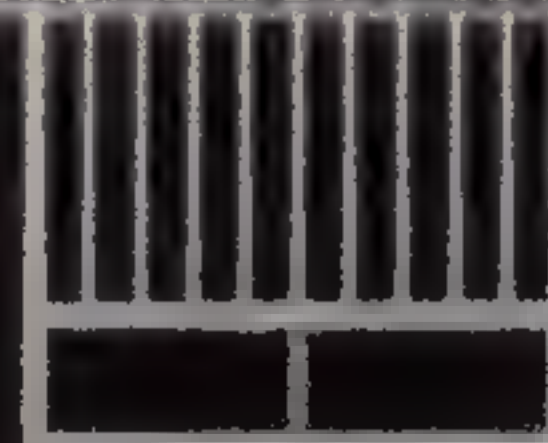


Aug. 14 1880

Cambridge, June 9.

Dear Sir, I am glad to hear that you are going to California. There is nothing which I should like more than to go to Puget Sound where the algae are superb.

About the Sphaeria Bidwellii, I would say that there are certainly asci and spores. I send a bit for you to examine. Whether the ascigerous form really belongs to the Phoma unicolor is a point about which I do not care to express an opinion. I have not been well lately



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and have not been able to  
study Ellis's specimens  
thoroughly. I have sent  
Ellis's note to De Barry  
and perhaps he will have  
something to say on the subject  
in the Bot. Zeitung.

Yours, respectfully,

W. G. Harlow.

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Rec Nov 5<sup>c</sup>

Cambridge, Nov. 5

Dear Sir, I am much  
obliged for the specimens  
which you sent. The  
fungus on Claytonia is  
*Alcidium Claytonianum*, Schw.  
The names of *Alcidia* have  
but little value, however, I  
am afraid.

The yeast seems to  
be the ordinary *Saccharomyces*  
*cerevisiae* and is of interest  
in enabling me to compare the  
form found in St. Louis with  
that used in this region.

Yours, respectfully  
W. G. Farlow.



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New Empire City Aug 13 1881

Ans Feb 9

Lectur. Scand.

Wood's Hall, Aug 6,

Dear Sir,

Your letter with specimen of fungus was received at this place where I am spending some time at the seashore away from books on fungi.

I have examined the specimen which is very interesting, it is, however, sterile and I can only say that the fungus consists of mycelium which may belong to a species of Favos. On looking at it I expected to find the mycelial form known as Antennaria pinophila



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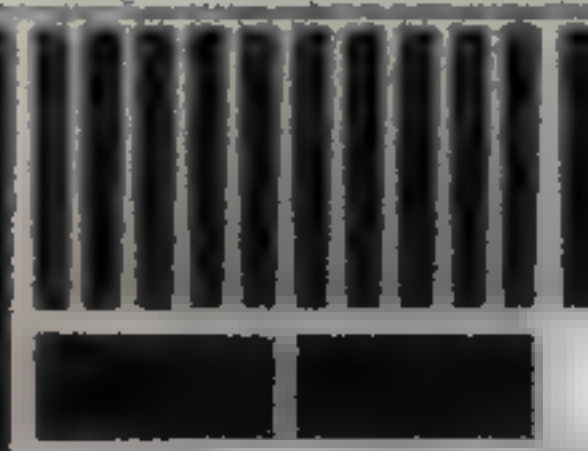


but I was mistaken. It is  
not that species. There are  
plenty of mycologists who  
would give a name to the  
mycelium you send and  
perhaps make a new species.  
I presume that you will  
agree with me in not thinking  
it necessary to do so.

The fungus reminds me  
of some forms found on trees  
which have been attacked  
by insects, the fungus growing  
rather on the insect remains  
than the tree itself. Did you see  
any insects.

You speak of the covering  
of the lower branches where  
the fungus alone is found  
by the snow. Does not this  
perhaps indicate that the  
branches are killed by the

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snow, or the melting of  
the snow, and that the  
fungus then grows on them  
as a saprophyte rather  
than a true parasite.

Did you ever  
receive a copy of my  
paper on Gymnosporangia?  
I should like very much  
to get species of Peridermium  
on Coniferae or Gymnosporan-  
gia on Juniperus occidentalis,  
or any notes with regard  
to the distribution of Rocky Mt.  
Roestelia.

Do you remember  
a grass from Bermuda  
which I sent you? I sent  
a specimen to Prof. Gray  
and in a letter just sent  
from New York he says that  
it is Koeleria phleoides.



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I shall not return to  
Cambridge permanently  
until the end of September.

Yours, respectfully,  
W. G. Harlow.



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Rec Feb 17<sup>th</sup> 1882

By



Cambridge, Feb. 14.

Dear Sir,

Your letter of Feb. 9  
was received yesterday. I  
hardly think that I shall be  
able to make much more  
of the Fumago which you  
sent judging from my experience  
of last summer.

I was very much  
interested in your remarks  
on Lactuca and Silphium  
and have sent a copy of  
them to Stahl. I did not  
know that you had read  
a paper on the subject at



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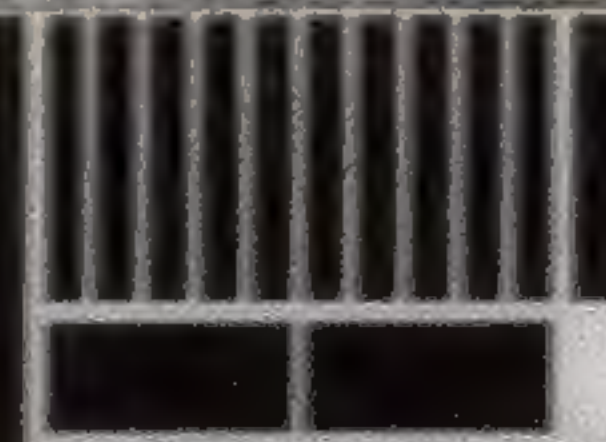
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the St. Louis meeting. I looked  
at the volume of the  
proceedings for that year  
but only found the title of  
the paper without further  
report. Was it ever published  
as a separate paper? If so  
I should like to read it. I have  
looked for references the the  
Torrey Bulletin and Bot. Gazette  
but did not succeed in finding  
any allusion to it. although  
I may have overlooked  
something in my haste,

Yours, Respectfully,  
W. G. Farlow.

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